

Joint Warfare System (JWARS)

Update to the Space User's Group

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Agenda

- Revised JWARS Development Approach
- Release 1.4 Status
- Release 1.4 Schedule

Current Approach

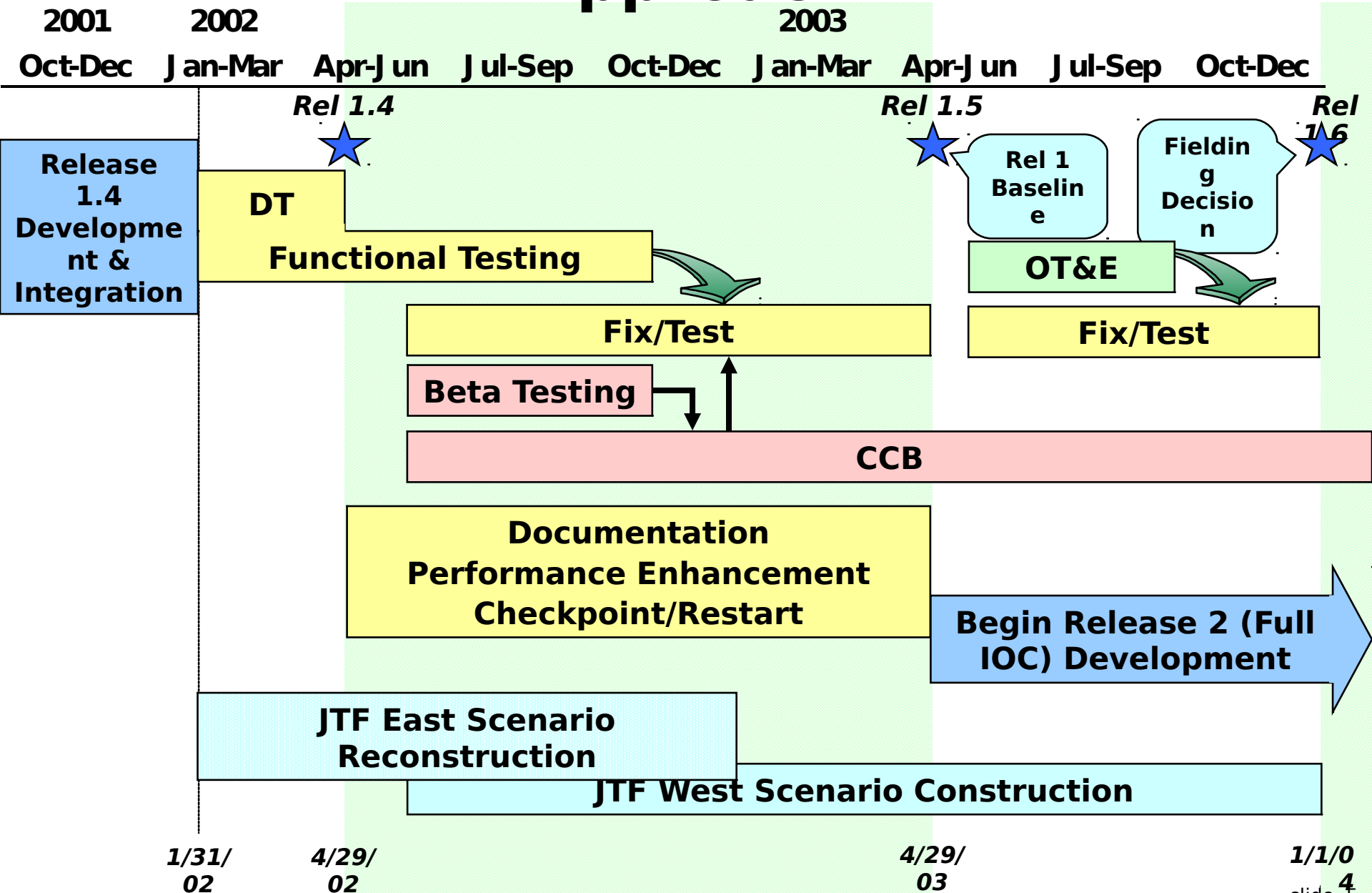
(Development and Testing)

- ➔ For each formal Release (1, 2, and 3)
 - Meet ORD requirements
 - Conduct Beta Testing
 - Conduct OT&E
 - Obtain formal approval for distribution
- ➔ For Release 1
 - Incorporate all warfare functionality required for Release 1 in incremental Release 1.4
 - 55 threads, more than threshold 51 threads
 - Conduct two cycles of external testing
 - Beta Testing of Release 1.4
 - OT&E (“Limited User Test”) of Release 1.5

Planned Activities between Rel 1.4 & 1.5

- ➔ Conduct extensive Functional Testing.
- ➔ Produce extensive design & user documentation.
- ➔ Scenarios
 - Complete reconstruction of JTF East
 - Begin construction of JTF West
- ➔ Improve performance of simulation.
- ➔ Develop a checkpoint/restart capability.
- ➔ Address outstanding Priority 2 ICRs
- ➔ Fix problems discovered during Beta Testing

Release 1 Schedule - Current Approach



Proposed Revised Approach - General

→ JCS/J-8 initiative

→ Objective:

- Get JWARS to users, in operation, sooner.
- Transition to user- driven Life Cycle Management.

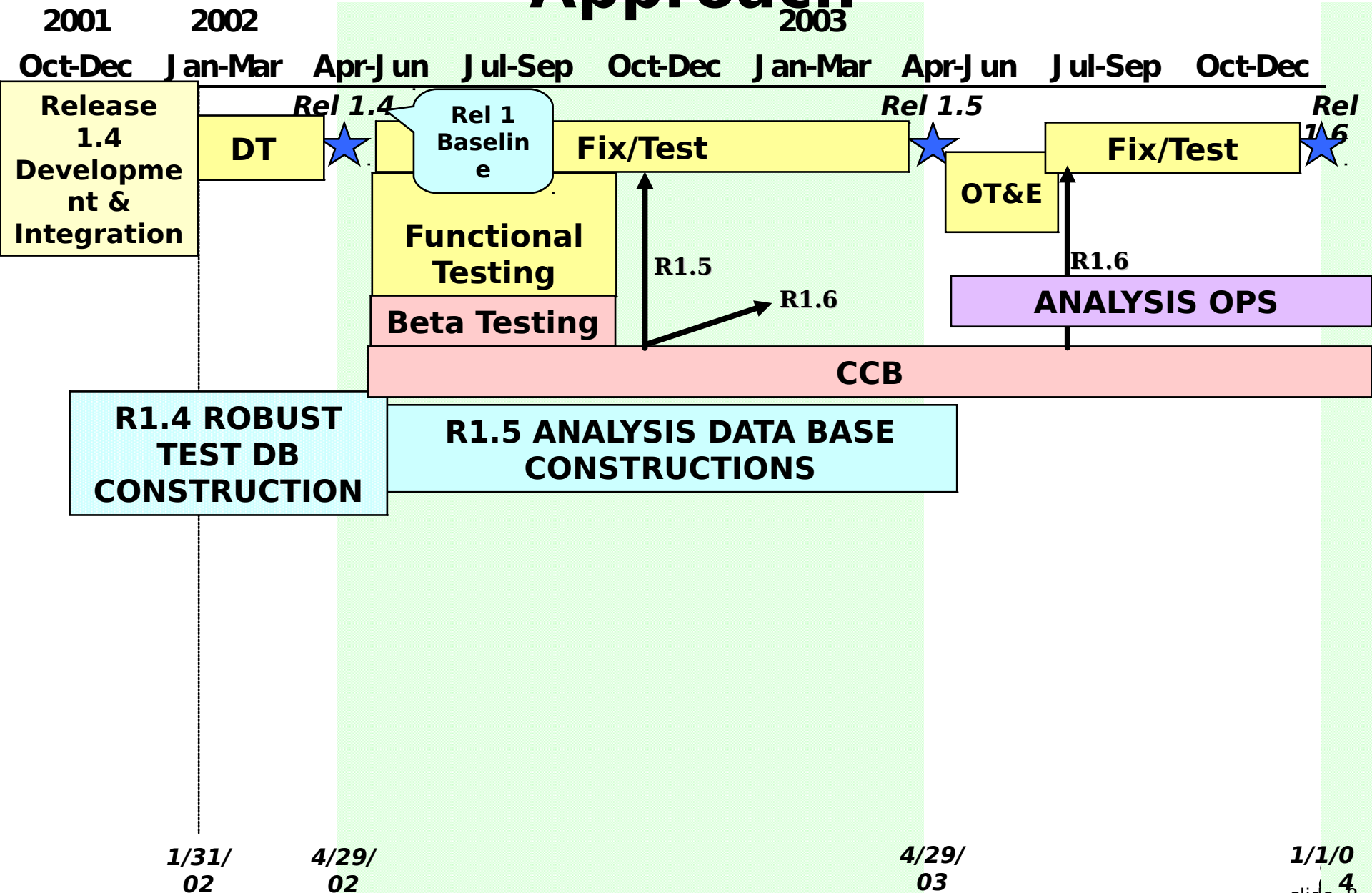
→ Concept:

- Release 1.4 becomes the JWARS LCM baseline
 - JROC minimum 55 thread functionality.
- CCB assumes Life Cycle Management at Rel 1.4
 - Future configurations & schedules driven by:
 - ORD
 - Needed Fixes
 - New Needed Functionality
 - Budget Constraints

Proposed Revised Approach - Specific

- Rel 1.4 becomes the JWARS Baseline to begin CM
 - JWARS Office “locks functionality” at Release 1.4.
- Release 1.4 undergoes Functional & Beta Testing.
 - Substantive testing conducted by Washington DC-area sites.
 - Non-DC-area sites Beta test as desired and able.
- JWARS CCB begins LCM at Rel 1.4.
 - Responsible for Configuration, Maintenance, User Support and Release Scheduling.
- Database Development Priorities
 - Robust testing of R1.4
 - Analysis activity with R1.5
- ORD Rel 2 & 3 incorporated into future CCB Releases.

Release 1 Schedule - Revised Approach



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Release 1.4 Work Package Status

Domain	Warfare Area	Functionality	Status *			
Problem Domain			BE	DS	BI	IM
	Air and Space	Air C2 Improvements (J TCB Planning)			●	
		Maritime Air Support Missions (Air to Surface - Ship)		●		
		Air Defense			●	
		SEAD (Initial) (Air Superiority / Counter Air A2A)		●		
		Attack of Mobile Targets (Air Interdiction)			●	
	Land	Maneuver Planning (Land C2)			●	
		Multiple Types of Chemical Sensors per BSE (Land C2)			●	
		Artillery-Delivered Chemical Agents (Land C2)			●	
	Maritime	Improved Maritime C2			●	
		Surface Ship-on-Submarine Engagement				●
	Communications	Limit Messages to Networks			●	
		Flow in Communication Assets			●	
		Damage Communication Assets			●	
		Damage BSE's Communications Port			●	
	Other C4ISR	J TF C2			●	
		Improved Collection and Processing			●	
	TBMD	Enhanced Representations of Lower & Upper Tier			●	
		Integrated TBMD C2			●	
	WMD	Affect of Casualties on BSE's Abilities (Unit Effects)			●	
		Impact on Air Operations (Air C2/Unit Effects - Installations)			●	
	Transportation & Logistics	Deployment Flow Scheduler			●	
		Improved Theater Log C2 / Intratheater Transportation			●	
		Improved Installation and BSE Platform Design			●	
		Consumption at Component Level - Air (Air Base Operations)		●		
		Consumption at Component Level - Land (Resupply)			●	
		Consumption at Component Level - Maritime (Logistics)			●	
Simulation and Platform Domains						
		Improved Data Import / Export Tools			●	
		Improved Video Playback				●
		Improved User Interface – General			●	
		Improved User Interface – Environmental			●	

* Status: BE = Behavioral Model; DS = Design Stage; BI = Being Implemented;
IM = Implemented

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Release 1.4 Schedule

- Code freeze 31 Jan 02
- Developer Testing 1 Feb - 15 Apr 02
- Rel 1.4 declared 1 May 02
- Rel 1.4 Update Training 3 weeks after Rel 1.4
 - Four 4 1/2 day session
- Installations begin 6 weeks after Rel 1.4
- Rel 1.4 Basic Training 10 weeks after Rel 1.4
 - Two 2 week sessions